The way to the same of the sam

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



T HOUSE BANKELER ER SLEEN BEVER SIJK IN HE BEKKE BEKKE DE NED KREER BEKER BEKER BEKKER BEKKER FOR FORE

٤

(43) International Publication Date 4 January 2001 (04.01.2001)

PCT

(10) International Publication Number WO~01/00611~A1

- (51) International Patent Classification⁷: C07D 401/06, 471/04, 401/14, 413/14, 417/14, 405/14, A61K 31/501, 31/4439, 31/454, 31/4184, 31/4188, A61P 31/14 // (C07D 471/04, 235:00, 221:00)
- (21) International Application Number: PCT/EP00/05676
- (22) International Filing Date: 20 June 2000 (20.06.2000)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 99202087.5 00200452,1

28 June 1999 (28.06.1999) EP 11 February 2000 (11.02.2000) EP

- (71) Applicant (for all designated States except US):
 JANSSEN PHARMACEUTICA N.V. [BE/BE]; Patent
 Department, Turnhoutseweg 30, B-2340 Beerse (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JANSSENS, Frans,

Eduard [BE/BE]; Janssen Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Beerse (BE). MEERSMAN, Kathleen, Petrus, Marie-José [BE/BE]; Janssen Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Beerse (BE). SOM-MEN, François, Maria [BE/BE]; Janssen Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Beerse (BE). GUILLE-MONT, Jérôme, Emile, Georges [FR/FR]; Janssen Cilag S.A., 1, Rue Camille Desmoulins, TSA 91003, Cedex 9, F-92787 Issy-les-Moulineaux (FR). LACRAMPE, Jean, Fernand, Armand [FR/FR]; Janssen Cilag S.A., 1, Rue Camille Desmoulins, Tsa 91003, Cedex 9, F-92787 Issy-les-Moulineaux (FR). ANDRIES, Koenraad, Jozef, Lodewijk, Marcel [BE/BE]; Janssen Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Beerse (BE).

- (74) Agent: QUAGHEBEUR, Luc; Janssen Pharmaceutica N.V., Turnhoutseweg 30, B-2340 Beerse (BE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,

[Continued on next page]

(54) Title: RESPIRATORY SYNCYTIAL VIRUS REPLICATION INHIBITORS

(57) Abstract: This invention concerns the use of compounds of formula (I) wherein -a¹=a²-a³=a⁴- is a radical of formula -CH=CH-CH=CH-, -N=CH-CH=CH-, -CH=CH-, -CH=CH-N=CH-, -CH=CH-CH=N- wherein each hydrogen atom may optionally be substituted; Q is a radical of formulas (b-1), (b-2), (b-3), (b-4), (b-5), (b-6). (b-7), (b-8), G is a direct bond or C₁₋₁₀alkanediyl; R¹ is an optionally substituted monocyclic heterocycle; for the manufacture of a medicament for the treatment of viral infections, in particular RSV infections. Certain compounds of formula (I) are new.